



(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER see Notification of (Form PCT/ISA/2)	of Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/GB 03/04712	31/10/2003	01/11/2002
Applicant		
CARROTECH AS		
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth ansmitted to the International Bureau.	nority and is transmitted to the applicant
	of a total of8 sheets. a copy of each prior art document cited in this	report.
Basis of the report With regard to the language, the i language in which it was filed, unle	international search was carried out on the bas ess otherwise indicated under this item.	sis of the international application in the
the international search was Authority (Rule 23.1(b)).	as carried out on the basis of a translation of th	ne international application furnished to this
b. With regard to any nucleotide and was carried out on the basis of the contained in the internation filed together with the internation	d/or amino acid sequence disclosed in the interpretation in the sequence listing: nal application in written form. Inational application in computer readable form this Authority in written form.	ternational application, the international search
=	this Authority in computer readble form.	
X the statement that the sub-	sequently furnished written sequence listing do s filed has been furnished.	pes not go beyond the disclosure in the
		identical to the written sequence listing has been
2. Certain claims were found. 3. X Unity of invention is lack	nd unsearchable (See Box I). ding (see Box II).	
4. With regard to the title,		
the text is approved as sub	omitted by the applicant.	
السبا	ned by this Authority to read as follows:	
ASSAY METHOD FOR DETEC	TING FUNGAL INFECTION OF SO	IL OR VEGETABLES
5. With regard to the abstract, X the text is approved as sub the text has been establish within one month from the	omitted by the applicant. ned, according to Rule 38.2(b), by this Authority date of mailing of this international search repo	y as it appears in Box III. The applicant may, ort, submit comments to this Authority.
6. The figure of the drawings to be publis		
as suggested by the applicant failo		None of the figures.
because the applicant failed	d to suggest a figure. characterizes the invention.	<u>.</u>
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Internationa	Application No
PCT	03/04712

			03/	04/12
A. CLASS IPC 7	IFICATION OF SUBJECT MATTER C12Q1/68			
According t	to International Patent Classification (IPC) or to both national classification	cation and IPC		
B. FIELDS	SEARCHED			
Minimum de IPC 7	ocumentation searched (classification system followed by classifica ${\tt C12Q}$	tion symbols)		
	tion searched other than minimum documentation to the extent that			rched
	data base consulted during the international search (name of data betternal, BIOSIS, MEDLINE, PAJ, WPI D		earch terms used)	-
C. DOCUM	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the re	levant passages		Relevant to claim No.
Y	KAGEYAMA K ET AL: "DETECTION OF ULTIMUM USING POLYMERASE CHAIN R WITH SPECIES-SPECIFIC PRIMERS" PLANT DISEASE, AMERICAN PHYTOPAT SOCIETY, ST. PAUL, MN, US, vol. 81, October 1997 (1997-10), 1155-1160, XP009024662 ISSN: 0191-2917 page 1155, column 3, lines 23-48 page 1156, column 1, line 4 - coline 3 table 1 figure 1	EACTION HOLOGICAL pages		1,2,4, 6-8, 10-15,17
X Furth	ner documents are listed in the continuation of box C.	Patent family men	nbers are listed in a	innex.
"A" docume conside "E" earlier diling de "L" documen which is citation "O" docume other m "P" documen later this	nt which may throw doubts on priority claim(s) or s cited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or	Authorized officer	ot in conflict with the eprinciple or theor relevance; the clair novel or cannot be tep when the docur relevance; the clair to involve an inverd with one or more tion being obvious the same patent fannternational search	a application but y underlying the med invention considered to ment is taken alone med invention titve step when the other such docu- to a person skilled
	Fax: (+31-70) 340-3016	Helliot,	_	



Y MATSUMOTO CHIEKO ET AL: "Phylogenetic relationships of Pythium species based on ITS and 5.8S sequences of the ribosomal DNA" MYCOSCIENCE, vol. 40, no. 4, 15 August 1999 (1999-08-15), pages 321-331, XP001180153 ISSN: 1340-3540 page 329, column 2, lines 37-39 figure 1 LEVESQUE C A ET AL: "The use of DNA arrays for direct detection of oomycetes	1,2,4, 5-8, 10-15,17
MATSUMOTO CHIEKO ET AL: "Phylogenetic relationships of Pythium species based on ITS and 5.8S sequences of the ribosomal DNA" MYCOSCIENCE, vol. 40, no. 4, 15 August 1999 (1999–08–15), pages 321–331, XP001180153 ISSN: 1340–3540 page 329, column 2, lines 37–39 figure 1 LEVESQUE C A ET AL: "The use of DNA arrays for direct detection of oomycetes from roots and soils" CANADIAN JOURNAL OF PLANT PATHOLOGY, vol. 22, no. 2, June 2000 (2000–06), page 188, XP009028449 Annual Meeting of the Canadian Phytopathological Society, 2000; Victoria, British Colombia, Canada ISSN: 0706–0661	1,2,4, 5-8, 10-15,17
relationships of Pythium species based on ITS and 5.8S sequences of the ribosomal DNA" MYCOSCIENCE, vol. 40, no. 4, 15 August 1999 (1999-08-15), pages 321-331, XP001180153 ISSN: 1340-3540 page 329, column 2, lines 37-39 figure 1 LEVESQUE C A ET AL: "The use of DNA arrays for direct detection of oomycetes from roots and soils" CANADIAN JOURNAL OF PLANT PATHOLOGY, vol. 22, no. 2, June 2000 (2000-06), page 188, XP009028449 Annual Meeting of the Canadian Phytopathological Society, 2000; Victoria, British Colombia, Canada ISSN: 0706-0661	5-8, 10-15,17 1,2,4, 5-8,
Y LEVESQUE C A ET AL: "The use of DNA arrays for direct detection of oomycetes from roots and soils" CANADIAN JOURNAL OF PLANT PATHOLOGY, vol. 22, no. 2, June 2000 (2000-06), page 188, XP009028449 Annual Meeting of the Canadian Phytopathological Society, 2000; Victoria, British Colombia, Canada ISSN: 0706-0661	5-8,
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hybridization to a DNA array" 6	.,2,4, 5-8, 0-15,17
Pythium aphanidermatum from hydroponic 6	,2,4, 5-8, 0-15,17



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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	LEVESQUE C ANDRE ET AL: "Identification of some oomycetes by reverse dot blot hybridization" PHYTOPATHOLOGY, vol. 88, no. 3, March 1998 (1998-03), pages 213-222, XP001180427 ISSN: 0031-949X table 1 page 217, column 1, line 9 - column 2, line 3 figure 2 page 221, column 1	1,2,4, 6-8, 10-15,17
Υ,Ρ	KAGEYAMA KOJI ET AL: "Refined PCR protocol for detection of plant pathogens in soil." JOURNAL OF GENERAL PLANT PATHOLOGY, vol. 69, no. 3, June 2003 (2003-06), pages 153-160, XP002275151 ISSN: 1345-2630 (ISSN print) page 155, column 1, line 20 - column 2, line 9 page 154, column 1, line 47 - column 2, line 15	1,2,4, 6-8, 10-15,17
Y,P	BARASUBIYE T ET AL: "Molecular identification and detection of root rot pathogens in soybean." PHYTOPATHOLOGY, vol. 93, no. 6 Supplement, June 2003 (2003-06), page S6, XP002275152 Annual Meeting of the American Phytopathological Society; Charlotte, North Carolina, USA; August 09-13, 2003 ISSN: 0031-949X (ISSN print) abstract	6,11,12
Y,P	WANG P H ET AL: "Use of polymerase chain reaction to detect the soft rot pathogen, Pythium myriotylum, in infected ginger rhizomes." LETTERS IN APPLIED MICROBIOLOGY, vol. 36, no. 2, 2003, pages 116-120, XP001180354 ISSN: 0266-8254 page 117, column 2, lines 7-10 figures 1-3 table 1	1,2,4, 6-8, 10-15,17

Internationa	I Application No
PCT	03/04712

		03/04/12	
C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim N	0.
Y,P	WANG P H ET AL: "Detection of the low-germination-rate resting oospores of Pythium myriotylum from soil by PCR." LETTERS IN APPLIED MICROBIOLOGY. ENGLAND 2003, vol. 36, no. 3, 2003, pages 157-161, XP001180356 ISSN: 0266-8254 figures 1-4	1,2,4, 6-8, 10-15,1	
Υ,Ρ	WANG P H ET AL: "Species-specific PCR primers for Pythium developed from ribosomal ITS1 region." LETTERS IN APPLIED MICROBIOLOGY. ENGLAND 2003, vol. 37, no. 2, 2003, pages 127-132, XP001180355 ISSN: 0266-8254 tables 1-3	1,2,4, 6-8, 10-15,1	17
T	WANG P H ET AL: "Erratum: Species-specific PCR primers for Pythium developed from ribosomal ITS1 region (Letters in Applied Microbiology (2003) 37 (127-132))" LETTERS IN APPLIED MICROBIOLOGY 2004 UNITED KINGDOM, vol. 38, no. 1, 2004, page 78, XP001180357 ISSN: 0266-8254 the whole document	1,2,4, 6-8, 10-15,1	17